## IN THE CLAIMS:

## Amendments to the Claims

Please cancel claim 6 without prejudice or disclaimer of the subject matter thereof, and please rewrite claims 7 and 8 in independent form as shown below.

## **Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) An apparatus for specimen fabrication comprising:

a movable specimen stage for placing thereon a sample substrate;

an energy-beam irradiating optical system for irradiating a processing beam to said sample substrate near a desired area thereof to cut out a micro-sample including said desired area of said sample substrate;

a probe for contacting a portion thereof with said sample substrate near said desired area;

probe-substrate connecting means for fixing together said probe and a portion of said sample substrate near said desired area;

a micro-sample holder retainer for movably retaining a micro-sample holder supporting said micro-sample;

a circuit for sending electric current to probe for applying a voltage across said probe and said micro-sample holder to perform current welding between said probe and said micro-sample holder;

a probe driver for driving said probe; and

a probe position controller for controlling said probe driver to cause said probe to approach said micro-sample holder.

2. (original) An apparatus for specimen fabrication according to claim 1, wherein said probe position controller drives said probe driver to cause said probe to

approach said micro-sample holder after the voltage is applied across said probe and said micro-sample holder.

- 3. (original) An apparatus for specimen fabrication according to claim 1, wherein said energy-beam irradiating optical system is an ion-beam irradiating optical system for irradiating an ion beam.
- 4. (original) An apparatus for specimen fabrication according to claim 1, wherein said circuit for sending electric current to probe is used, and the voltage applied across said probe and said micro-sample holder is 200 V or less.
- 5. (original) An apparatus for specimen fabrication according to claim 1, wherein said probe-substrate connecting means comprises a voltage applying circuit for performing current welding by applying a voltage across said probe and said sample substrate.

Claim 6 (canceled)

7. (currently amended) A method for specimen fabrication according to claim 6, comprising:

a probe-sample fixing step of fixing a tip portion of a probe to a desired area of a sample substrate; and

a micro-sample separating step of, while maintaining a fixed state
therebetween, cutting out said desired area from said sample substrate and
separating said desired area from said sample substrate as a micro-sample,

wherein said micro-sample is moved to a position over a desired position of a micro-sample holder, then said micro-sample is fixed to said micro-sample holder,

then said probe fixing said micro-sample thereon is cut near the tip portion thereof; and

wherein said micro-sample and said micro-sample holder are fixed together with a constant gap maintained between a lower surface of said micro-sample and said micro-sample holder.

8. (currently amended) A method for specimen fabrication according to claim 6, comprising:

a probe-sample fixing step of fixing a tip portion of a probe to a desired area of a sample substrate; and

a micro-sample separating step of, while maintaining a fixed state
therebetween, cutting out said desired area from said sample substrate and
separating said desired area from said sample substrate as a micro-sample,

wherein said micro-sample is moved to a position over a desired position of a micro-sample holder, then said micro-sample is fixed to said micro-sample holder, then said probe fixing said micro-sample thereon is cut near the tip portion thereof;

further comprising a probe-micro-sample holder welding step of performing current welding between said probe and said micro-sample holder.

- 9. (original) A method for specimen fabrication according to claim 8, wherein approaching between said probe and said micro-sample holder is carried out after a step of applying a voltage for said current welding.
- 10. (original) A method for specimen fabrication comprising:a probe fixing step of fixing a tip portion of a probe to a portion of a sample substrate near an area thereof to be observed;

a micro-sample separating step of separating a micro-sample including said area to be observed, from said sample substrate while said micro-sample is fixed to the tip portion of said probe;

a voltage applying step of applying a voltage across said probe and a microsample holder;

a micro-sample approaching step of causing said micro-sample and said micro-sample holder to approach each other after said voltage applying step;

a micro-sample-micro-sample holder welding step of fixing together said micro-sample and said micro-sample holder by current welding therebetween; and a probe cutting step of cutting said probe from said micro-sample fixedly

connected to said micro-sample holder.

- 11. (original) A method for specimen fabrication according to claim 10, wherein ion-beam processing is used in said micro-sample separating step.
- 12. (original) A method for specimen fabrication according to claim 10, wherein said micro-sample is a sample for a transmission electron microscope.
- 13. (original) A method for specimen fabrication according to claim 10, wherein a height of said micro-sample is 5  $\mu$ m or less.